

**JP4320696A2: METHOD FOR QUANTITATIVELY DETERMINING  
SUBSTANCE UTILIZING ACTIVE OXYGEN**

Country:	JP Japan
Kind:	A
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Published/ Filed:	Nov. 11, 1992 / April 22, 1991
Application Number:	JP1991000090842
IPC Code:	C12Q 1/26; G01N 33/82;
Priority Number:	April 22, 1991 JP1991000090842
Abstract:	<p>PURPOSE: To provide a method for quantitatively determining a substance such as vitamin C acting on the production system of active oxygen.</p> <p>CONSTITUTION: A substance such as vitamin C capable of eliminating active oxygen is added to a production system for producing the active oxygen using oxygen or a peroxide as a substrate to capture the residual active oxygen with a spin trapping agent and measure the amount of the spin adduct with an electron spin resonator. A vitamin C oxidase, etc., capable of inhibiting function of the vitamin C is simultaneously added to similarly carry out measurement. Thereby, the amount of the substance eliminating the active oxygen or the substance capable of inhibiting the eliminator for the active oxygen in test solutions containing various substances reactive with the active oxygen is selectively determined from the difference in the measured values between both.</p> <p>COPYRIGHT: (C)1992,JPO&amp;Japio</p>
Family:	<a href="#">Show 2 known family members</a>
Other Abstract Info:	CHEMABS 118(11)097560Y CAN118(11)097560Y DERABS C92-426688 DERC92-426688



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